

## **ABSTRACT**

A method of collecting embryonic-like stem cells from a placenta which has been treated to remove residual cord blood by perfusing the drained placenta with an anticoagulant solution to flush out residual cells, collecting the residual cells and perfusion liquid from the drained placenta, and separating the embryonic-like cells from the residual cells and perfusion liquid. Exogenous cells can be propagated in the placental bioreactor and bioactive molecules collected therefrom.